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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/581,985	06/07/2006	Yoshikuni Okumura	LU 6145 (US)	7230
34872 Basell USA Inc	7590 03/04/200	EXAMINER		
Delaware Corporate Center II 2 Righter Parkway, Suite #300			LEE, RIP A	
2 Righter Parky Wilmington, Dl			ART UNIT	PAPER NUMBER
<u> </u>			1796	
			MAIL DATE	DELIVERY MODE
			03/04/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
Office Action Occurrence	10/581,985	OKUMURA ET AL.			
Office Action Summary	Examiner	Art Unit			
	RIP A. LEE	1796			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).					
Status					
1) Responsive to communication(s) filed on					
	-· action is non-final.				
<i>,</i> —	, 				
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
		0 0.0. 2.0.			
Disposition of Claims					
 4) ☐ Claim(s) 1-9 and 11 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-9 and 11 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or election requirement. 					
Application Papers					
 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. 					
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.					
Attachment(s) Notice of References Cited (PTO-892)					

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1-9 and 11 are rejected under 35 U.S.C. 102(b) as being anticipated by Rieger (U.S. 6,576,726).

Rieger teaches metallocene compounds of general formula (I) which contain a bridged ligand set containing minimally a cyclopentadienyl-based ligand and an indenyl-based ligand. In the cyclopentadienyl-based ligand, substituent R^1 is a linear or branched C_1 to C_{10} alkyl group, and R^3/R^4 , may be integrated into C_5 to C_7 aryl fused rings (*i.e.*, indenyl). In the indenyl-based ligand, R^{11} is C_1 to C_8 alkyl, and R^6/R^7 may be integrated into C_5 to C_7 cycloalkyl fused rings. In figure (VII), one clearly observes that the metallocene contains an indacenyl group. Metallocenes are used with co-activator to form catalysts for polymerization of olefins; see discussion in column 3.

3. Claims 1, 3, 5-9, and 11 are rejected under 35 U.S.C. 102(b) as being anticipated by Chen et al. (U.S. 6,084,115).

Chen *et al.* teaches polymerization of olefin in the presence of catalysts containing group 4 diene complexes. The compound Me₂Si(3-Ph-indacenyl)Ti(1,4-diphenyl-1,3-butadiene) is representative (col. 9, line 44).

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4. Claims 1, 3, 5-9, and 11 are rejected under 35 U.S.C. 102(b) as being anticipated by Hashimoto *et al.* (U.S. 6,156,844).

Hashimoto *et al.* teaches polymerization of olefin in the presence of catalysts containing group 4 polycyclic metallocene complexes. The compounds Me₂Si(1-toluo[4,3-f]-2-Me-4-phenylindenyl)₂ZrCl₂ and Me₂Si(2-Me-5-neopentyl-benzo[f]indenyl)₂ZrCl₂ are representative (column 22).

5. Claims 1, 3, 5-9, and 11 are rejected under 35 U.S.C. 102(b) as being anticipated by Okada et al. (U.S. 6,194,501).

Okada *et al.* teaches polymerization of olefin in the presence of catalysts containing group 4 polycyclic metallocene complexes. The *bis*(benzo[f]indenyl) compounds tabulated in column 13, where $R^3 = CH_3$ or linked with R12 as $-CH_2CH_2$ - are representative.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rip A. Lee whose telephone number is (571)272-1104. The examiner can be reached on Monday through Friday from 9:00 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vasu S. Jagannathan, can be reached at (571)272-1119. The fax phone number for the organization where this application or proceeding is assigned is (571)273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on the access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll free).

/Rip A. Lee/ Examiner, Art Unit 1796

February 20, 2008